

6652/PCT/USSN 10/565,649
Group Art Unit 3726

AMENDMENTS TO THE CLAIMS

Claims 1-6 (Canceled).

7. (Currently Amended) A method of manufacturing a plate heat exchanger comprising providing a plurality of stacked plates which limit heat exchange of two or more separate fluids across said plates, said plates each including a double wall configuration to prevent fluid one or more of said two or more fluids from leaking through a wall of the plates and entering a path of ~~another fluid~~ an other of said one or more of said two or more fluids; sealingly interconnecting the double walls of each of said plates ~~being sealingly interconnected~~ around borders of port holes in the plates, ~~wherein;~~ providing to each plate of the stacked plates, prior to being brazed, ~~is provided with~~ brazing material on a surface thereof which engages a surface of another plate of said stacked plates, ~~and wherein~~ ; and configuring areas of mutually contacting wall surfaces of two of said plates forming a double wall plate around borders of a port hole ~~are configured~~ to only partly cover each other; wherein the borders of the port holes in walls engaging each other in a plate have equal diameters and are provided with relatively displaced indentations.

6652/PCT/USSN 10/565,649
Group Art Unit 3726

8. (Canceled).

9. (Withdrawn) A method according to claim 7, wherein areas around the borders of the port holes of two walls in a heat exchange plate include holes and said holes in one wall are angularly displaced relative to said holes in another wall.

10. (Withdrawn) A method according to claim 7, wherein the double wall of said plates are provided with relatively displaced port holes leaving free areas adjacent to contacting surface areas around a port hole opening.

11. (Withdrawn) A method according to claim 7, wherein two holes in a pair of walls forming a port hole in a heat exchanger plate are elliptical in shape and are angularly displaced.